

Amendments to the Specification:

Please delete the heading on page 1, line 6, and insert the following replacement headings:

-- BACKGROUND OF THE INVENTION

Field of the Invention --

Please replace the paragraph beginning at page 10, line 16, with the following amended paragraph:

-- ~~By such~~ When such a construction is utilized, the voltage output difference V_0 can be accurately determined based on the average value of a predetermined number of times of sampling for one pulse applied voltage. Therefore, the type and distillation properties of a light oil can be identified in an accurate and rapid manner. --

Please replace the paragraph beginning at page 13, line 1, with the following amended paragraph:

-- By such a construction, a liquid type voltage output V_{out} for the voltage output difference V_0 at a measuring temperature for the light oil to be identified is corrected in a correlation with the output voltage for the voltage output difference at the measuring temperature for a predetermined threshold reference light oil. As a result, the influence of the temperature on the voltage output difference V_0 can be eliminated to impart a more accurate correlation between the liquid type voltage output V_{out} and the properties of the light oil ~~and. Consequently,~~ and, consequently, at the same time, the type of the light oil can be identified in a more accurate and rapid manner. --

Please replace the paragraph beginning at page 21, line 21, with the following amended paragraph:

-- Furthermore, according to the present invention, the heater in the liquid type identification sensor heater, the liquid temperature sensor for identification and the liquid temperature sensor do not come into direct contact with a light oil to be identified. ~~As a result~~ As a result, malfunction derived from a deterioration with the elapse of time or the presence of foreign matter or the like in the light oil does not occur.

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Consequently, the liquid type of the light oil can be identified in an accurate and rapid manner. --

Please replace the paragraph beginning at page 34, line 12, with the following amended paragraph:

-- Fig. 14 is the same schematic diagram as Fig. 16, ~~illustrating~~ illustrating an embodiment in which the apparatus 10 for identifying the liquid type of a light oil ~~having a such~~ having such a structure is applied to an automobile system. --

Please replace the paragraph beginning at page 35, line 24, with the following amended paragraph:

-- Fig. 15 is the same schematic diagram as Fig. 16, ~~illustrating~~ illustrating an embodiment in which the apparatus 10 for identifying the liquid type of a light oil ~~having a such~~ having such a structure is applied to an automobile system. --